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ABE TAKEO****(54) COMMUNICATION EQUIPMENT****(57) Abstract:**

PROBLEM TO BE SOLVED: To make reception data in a base station hold the orthogonal relation of an orthogonal code and to synchronize reception signals by compression- encoding the advance/delay information of the time calculated so as to match the synchronization of the orthogonal code of the reception signals from respective mobile stations and transmitting it to the mobile stations.

SOLUTION: Output is passed through a parallel/serial converter 407 and turned into serial data. To the data, noise equivalent to a time difference with the reception data from the surrounding mobile station is superimposed. The data are judged by using a judgement device 409. Noise signals are used and delay time is predicted by using a delay time control signal predicting device 411. The predicted delay time difference is encoded and transmitted from the transmitter of the base station to the respective mobile stations. The signals are turned into input signals to a receiver and the timing of the transmission signals of the respective mobile stations is adjusted. Thus, the

orthogonal codes used as the spreading signals of the data in the respective mobile stations are synchronized.

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